

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: OHKI, Masahiko Conf.: Unknown
Appl. No.: **NEW** Group: Unknown
Filed: November 21, 2001 Examiner: Unassigned
For: METHOD AND APPARATUS FOR RUBBER EXTRUDING

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

November 21, 2001

Sir:

The following preliminary amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE CLAIMS:

Please amend the claims as follows:

5. (Amended) The rubber extruding method according to claim 1, wherein a preformer is disposed adjacent to said die plate on the upstream side thereof,

said preformer has a receiving port receiving rubber from said extruder,

a sending port feeding the rubber into said inflow port of said die plate and

an intermediate flow path connecting said receiving port and said sending port therebetween, and

a shape of said receiving port is close to a shape of said discharge port of said die plate.

6. (Amended) The rubber extruding method according to claim 1, wherein said rubber extruded intermediate is a tread rubber for a tire.

8. (Amended) The rubber extruding apparatus according to claim 7, wherein each extruding speed of said rubber extruded intermediate is made uniform at positions along a width direction thereof.

11. (Amended) The rubber extruding apparatus according to claim 7, wherein a preformer is disposed adjacent to said die plate on the upstream side thereof,

said preformer has a receiving port receiving rubber from said extruder,

a sending port feeding the rubber into said inflow port of said die plate and

an intermediate flow path connecting said receiving port and said sending port therebetween, and

a shape of said receiving port is close to a shape of said discharge port of said die plate.

12. (Amended) The rubber extruding method according to claim 7, wherein said rubber extruded intermediate is a tread rubber for a tire.

13. (Amended) The rubber extruding apparatus according to claim 7, comprising a feed means feeding said rubber extruded intermediate to a drum for making a raw tire.

REMARKS

Claims 1-13 are pending in the present application.

Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly solicited.

Attached hereto is a marked-up version of the changes made to the application by this Amendment.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By


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Attachments

(Rev. 09/27/01)

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend the claims as follows:

5. (Amended) The rubber extruding method according to [any of claims 1 to 4,] claim 1, wherein a preformer is disposed adjacent to said die plate on the upstream side thereof,

said preformer has a receiving port receiving rubber from said extruder,

a sending port feeding the rubber into said inflow port of said die plate and

an intermediate flow path connecting said receiving port and said sending port therebetween, and

a shape of said receiving port is close to a shape of said discharge port of said die plate.

6. (Amended) The rubber extruding method according to [any of claims 1 to 5,] claim 1, wherein said rubber extruded intermediate is a tread rubber for a tire.

8. (Amended) The rubber extruding apparatus according to [claims] claim 7, wherein each extruding speed of said rubber

extruded intermediate is made uniform at positions along a width direction thereof.

11. (Amended) The rubber extruding apparatus according to [any of claims 7 to 10,] claim 7, wherein a preformer is disposed adjacent to said die plate on the upstream side thereof,

said preformer has a receiving port receiving rubber from said extruder,

a sending port feeding the rubber into said inflow port of said die plate and

an intermediate flow path connecting said receiving port and said sending port therebetween, and

a shape of said receiving port is close to a shape of said discharge port of said die plate.

12. (Amended) The rubber extruding method according to [any of claims 7 to 11,] claim 7, wherein said rubber extruded intermediate is a tread rubber for a tire.

13. (Amended) The rubber extruding apparatus according to [any of claims 7 to 12,] claim 7, comprising a feed means feeding said rubber extruded intermediate to a drum for making a raw tire.